



(19)

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 452 588 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

01.09.2004 Bulletin 2004/36

(51) Int Cl.7: **C12N 9/02, C12P 7/22,**

C12N 15/53, C07K 16/40

// (C12N9/02, C12R1:01)

(21) Application number: **04251106.3**

(22) Date of filing: **26.02.2004**

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**

Designated Extension States:

AL HR LT LV MK

(30) Priority: **28.02.2003 JP 2003053568**

(83) Declaration under Rule 28(4) EPC (expert
solution)

(71) Applicant: **Sumitomo Chemical Company,
Limited**

Chuo-ku Osaka 541-8550 (JP)

(72) Inventor: **Itoh, Nobuya**

Toyama-shi, Toyama (JP)

(74) Representative: **Cresswell, Thomas Anthony**

J.A. KEMP & CO.

14 South Square

Gray's Inn

London WC1R 5JJ (GB)

(54) **Reductase gene and use of the same**

(57) A gene containing a DNA having the nucleotide
sequence encoding any one of the amino acid sequenc-
es of the following (a) to (e):

(a) an amino acid sequence set out in SEQ ID NO:
1;

(b) an amino acid sequence having the sequence
homology of 80% or more with (a);

(c) an amino acid sequence having the sequence
homology of 90% or more with (a);

(d) an amino acid sequence encoded by a DNA hav-

ing the nucleotide sequence set out in SEQ ID NO:
2;

(e) an amino acid sequence encoded by a DNA hav-
ing the nucleotide sequence having the sequence
homology of 80% or more with (d).

EP 1 452 588 A1